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Secretion, *Mammary glands, *Acridine derivatives,
Estrogens, Drugs,

TT-63-20976

- I. Title: Lactation
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- III. Quenon, P.

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DESCRIPTORS: *Tobacco, Smokes, Cigarettes, Nicotine, *Respiratory system, Pathology *Cancer.

(Biological Sciences--Pathology, TT, v. 8, no. 10)

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Order from OTS or SLA \$1.10

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Trans. of [Akademiya Nauk SSSR]. Comptes Rendus
(Doklady) de l'Academie des Sciences de l'U.R.S.S.,
1944, v. 45, p. 24-26.

DESCRIPTORS: *Gasoline, Nickel catalysts,
Desulfurization, Fuels.

It was attempted to effect desulfurization of straight run
gasoline with end point 115°C and a sulfur content of
0.12-0.29% at 200°C, 10 atm hydrogen pressure, a
space velocity of 2 and a ratio of hydrogen to gasoline
of 6:1. At the lowest of the indicated sulfur contents
the catalyst was stable and the sulfur reduced to 0.01%
within 30 hours. With a higher content of sulfur the
nickel catalyst became poisoned. With a higher ratio
(Materials--Fuels, TT, v. 6, no. 7) (over)

61-18164

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Maslyanski, G. N.
DESTRUCTIVE HYDROGENATION OF BENZENE.
[1961] 10p. 28 refs.

Order from OTS or SLA \$1.10

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Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14,
p. 148-160.

DESCRIPTORS: *Benzenes, Hydrogenation, Hydro-
carbons, Catalysts, Molybdenum compounds, Oxides.

Molybdenum oxide catalysts suitable for destructive hy-
drogenation in the vapor phase, developed at the
author's laboratory, were previously found to be very
efficient in cracking of hydrocarbons. In order to in-
vestigate the nature of the chemical reactions occurring
on these catalysts, conversion of benzene was studied
in this work and the products obtained investigated, con-
sidering also the results reported by some other
authors. Among these products, methylcyclopentane
(58%), normal pentane (1.5%), 2-methylbutane (1.5%),
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18193

I. Maslyanski, G. N.

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61-16913

Maalyanskii, G. N.
KINETICS OF ISOMERIZATION OF CYCLOHEXANE
UNDER ELEVATED PRESSURES. [1961] 11p. 28 refs.
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I. Maalyanskii, G. N.

Trans. of Zhurnal Obshchei Khimii (USSR) 1943, v. 13,
p. 540-551.

DESCRIPTORS: *Cyclohexanes, Reaction kinetics,
Catalysts.

The catalytic isomerization of cyclohexane over molybdenum sulfide under hydrogen pressure was investigated and the kinetic regularities of this reaction established. The isomerization velocity depends upon the partial pressure of cyclohexane, but is independent of the partial pressure of hydrogen. The order of the reaction of isomerization of cyclohexane over molybdenum sulfide is close to 0.6. The apparent energy of activation of cyclohexane at 370-430° is $35,400 \pm 1,000$ calories. Accordingly the temperature coefficient on (Chemistry--Physical, TT, v. 6, no. 7) (over)

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TT-63-20804

Maslianaki, G. N. and Berlin, T. S.
CONVERSIONS OF HYDROCARBONS ON ALUMINA-
SILICA CATALYSTS. I. CONVERSION OF CYCLO-
HEXANE, [1963] [15p] 18refs
Order from OTS, SLA or ETC \$1.60 TT-63-20804

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1946,
v. 16, p. 1643-1653.

DESCRIPTORS: *Hydroforming (Chemical), *Benzenes,
Benzene derivatives, Synthesis (Chemistry),
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